

c 9-16-5c #14/ RCE 2812
9-23-02



IR-1773 (2-2498)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Mark Pavier

Serial No.: 09/718,932

Filed: November 22, 2000

For: POWER SEMICONDUCTOR DIE ATTACH PROCESS USING CONDUCTIVE
ADHESIVE FILM

Date: September 13, 2002

Group Art Unit: 2812

Examiner: A. Roman

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United States Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

REQUEST FOR CONTINUED EXAMINATION

Sir:

This is a Request for Continued Examination (RCE) under the provisions of 37 C.F.R. § 114, of the above-identified application.

Check No. 10745 which includes the RCE fee of \$740 and any extension/suspension fee, is enclosed herewith.

In the event the actual fee is greater than the payment submitted or is inadvertently not enclosed or if any additional fee during the prosecution of this application is not paid, the Patent Office is authorized to charge the under-payment to Deposit Account No. 15-0700.

If this communication is filed after a shortened statutory time period in said pending application had elapsed and no separate Petition is enclosed, the Commissioner of Patents and Trademarks is petitioned, under 37 C.F.R. § 1.136(a), to extend the time for filing a response to the outstanding Office Action by the number of months which will avoid abandonment under 37 C.F.R. § 1.135. The fee under 37 C.F.R. § 1.17 should be charged to our Deposit Account No. 15-0700.

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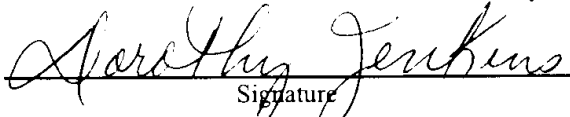
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☒ If checked, a Communication, an Amendment and/or Affidavit(s)/Declaration(s)
and/or IDS are enclosed.

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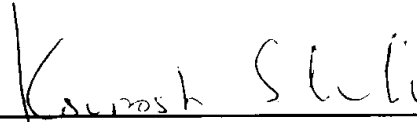

Signature

September 13, 2002

Date of Signature

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Respectfully submitted,



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Registration No.: 43,898

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COMMUNICATION/SUBMISSION

This is a Communication to accompany the Request for Continued Examination in the above-identified application. Reconsideration of the application is respectfully requested.

FEE CALCULATION

Any additional fee required has been calculated as follows:

NO. CLAIMS AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR		EXTRA PRESENT		RATE		ADDIT. FEE
TOTAL	10	MINUS	20	* =	0	X	(\$9 SE or \$18)	\$
INDEP.	2	MINUS	3	** =	0	X	(\$42 SE or \$84)	\$
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					X		(\$140 SE or \$280)	\$

* not less than 20 ** not less than 3

TOTAL \$ -0-

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CONTINGENT EXTENSION REQUEST

If this communication is filed after the shortened statutory time period had elapsed and no separate Petition is enclosed, the Commissioner of Patents and Trademarks is petitioned, under 37 C.F.R. § 1.136(a), to extend the time for filing a response to the outstanding Office Action by the number of months which will avoid abandonment under 37 C.F.R. § 1.135. The fee under 37 C.F.R. § 1.17 should be charged to our Deposit Account No. 15-0700.

AMENDMENTS

☐ If checked, amendments to the claims are submitted herewith.



REMARKS/ARGUMENT

After final rejection, a paper (dated June 26, 2002) was submitted for consideration.

In an Advisory Action dated July 19, 2002, it was indicated that the paper had not been entered because it raised new issues which required further search.

This paper is now being submitted for entry and consideration.

Claims 1-2 and 5-12 are in the application.

Claims 1 and 12 have been rejected under 35 U.S.C. §103(a) as obvious over Phy, U.S. Patent No. 4,688,075. Reconsideration is requested.

Claims 1 and 12 call for, in combination with other limitations, heating a substrate before it receives a singulated die that has a thin, flexible, partially cured polyimide, insulating film on a surface thereof. It has been set forth that Phy does not teach heating the substrate as called for by claims 1 and 12. It has been set forth, however, that heating the substrate as called for in claims 1 and 12 is well known in the art and thus involves a routine optimization of the process shown by Phy. To establish a *prima facie* case of obviousness all of the limitations of a claim must be shown by reference to prior art. It is respectfully submitted that a *prima facie* case of obviousness has not been established in that a prior art reference that shows heating the substrate prior to placement of a die as set out in claim 1 has not been identified. A prior art reference showing heating of the substrate prior to placement of a die as set out in claims 1 and 12 is requested for the record. Otherwise, reconsideration and allowance of claims 1 and 12 are requested. Claims 2 and 5-11 depend from claim 1, and, therefore, include its limitations. These claims include other limitations, which in combination with those of claim 1, are not shown or suggested by the art of record. Reconsideration is requested.

The application is believed to be in condition for allowance. Such action is earnestly solicited.

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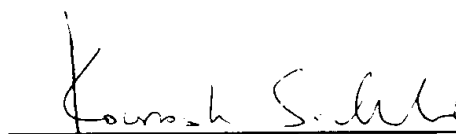


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